

IN THE ABSTRACT

Please delete the present abstract and substitute the following new abstract:

--ABSTRACT OF THE DISCLOSURE

At least one quantity which is characteristic of the temperature-dependent magnetic properties of magnetizable material which interacts with the magnetic fields of a magnetic resonance imaging device is determined in order to compensate the temporally varying strength of the main magnetic field of a main magnet of such a device. On the basis of this quantity a compensation signal is formed for the correction of the influence of the varying field strength on the imaging result.--.